BRUHATH BANGALORE MAHANAGARA PALIKE
Byatarayanapura Division

Name of the work: Comprehensive Development for Roads and Drains In Ward No. 7 And 8 Under CMC & TMC Grants, Kodigehalli Sub-Division, Yelahanka Zone, Byatarayanapura Division.

Second RA Bill
Total Abstract

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

TOTAL ABSTRACT

Name Of work : -Comprehensive Development for Roads and Drains In Ward No. 7 And 8 Under CMC & TMC Grants, Kodigehalli Sub-Division, Yelahanka Zone, Byatarayanapura Division.

Job Code :- 007-16-000035,007-16-000036,007-16-000037,007-16-000038,007-16-000039,007-16-000040,008-16-000033,008-16-000034,008-16-000035, 26621

Name of Agency :- M/s.Ram and Company

Bill No :-2nd and Part Bill

BOQ Item No	Description	Unit	Qty	Rate	Amount	Remarks
1	**KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**					
	Hoodi Layout		1254.23			
	Coffee Board layout		552.35			
	Present Qty		1806.58			
	Previous Bill Qty		591.84			
	Total		**2398.42**			
	BOQ qty		**7996.35**			
	Qty for payment	**Cum**	**1806.58**	**196.27**	**354577.46**	
2	**Removing and Resetting of Footpath Slab with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**					
	Hoodi Layout		0.00			
	Coffee Board layout		24.84			
	Present Qty		24.84			
	Previous Bill Qty		0.00			
	Total		**24.84**			
	BOQ qty		**613.85**			
	Qty for payment	**Sqm**	**24.84**	**139.13**	**3455.99**	
3	**Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**					
	Hoodi Layout		1533.30			
	Coffee Board layout		187.20			
	Present Qty		1720.50			
	Previous Bill Qty		1763.61			
	Total		**3484.11**			
	BOQ qty		**6241.84**			
	Qty for payment	**Sqm**	**1720.50**	**84.59**	**145537.10**	

For M/s. RAM & COMPANY

Partner

Contractor

VENUS CONSULTANTS

AE(est)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
4	**Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			121.50			
	Coffee Board layout			18.00			
	Present Qty			139.50			
	Previous Bill Qty			161.25			
	Total			**300.75**			
	BOQ qty			**795.17**			
	Qty for payment	**Sqm**		**139.50**	**698.96**	**97504.92**	
5	**Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			0.00			
	Coffee Board layout			5.94			
	Present Qty			5.94			
	Previous Bill Qty			0.00			
	Total			**5.94**			
	BOQ qty			**265.14**			
	Qty for payment	**Sqm**		**5.94**	**867.03**	**5150.16**	
7	**KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			0.00			
	Coffee Board layout			1.60			
	Present Qty			1.60			
	Previous Bill Qty			2.79			
	Total			**4.39**			
	BOQ qty			**464.26**			
	Qty for payment	**Cum**		**1.60**	**5616.2**	**8985.92**	

For M/s. RAM & COMPANY

Contractor

Partner

EJUS CONSULTANTS

AE(WSP)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
14	**KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			0.00			
	Coffee Board layout			8.00			
	Present Qty			8.00			
	Previous Bill Qty			0.00			
	Total			**8.00**			
	BOQ qty			**304.00**			
	Qty for payment	**Sqm**		**8.00**	**1009.49**	**8075.92**	
17	**KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout						
	Coffee Board layout			0.45			
	Present Qty			0.45			
	Previous Bill Qty			1.12			
	Total			**1.57**			
	BOQ qty			**80.07**			
	Qty for payment	**Cum**		**0.45**	**6055.83**	**2725.12**	
18	**Providing and fixing Ms gratings 260 mmx 260 mm for Shoulder Drains with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout						
	Coffee Board layout			20.00			
	Present Qty			20.00			
	Previous Bill Qty			0.00			
	Total			**20.00**			
	BOQ qty			**60.00**			
	Qty for payment	**Each**		**20.00**	**93.45**	**1869.00**	

Contractor

TESUS CONSULTANTS COMPANY

Partner

N.D

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
20	**Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout						
	Coffee Board layout			12.00			
	Present Qty			12.00			
	Previous Bill Qty			0.00			
	Total			**12.00**			
	BOQ qty			**138.01**			
	Qty for payment	**Sqm**		**12.00**	**1907.85**	**22894.20**	
23	**KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			198.53			
	Coffee Board layout			330.53			
	Present Qty			529.06			
	Previous Bill Qty			129.75			
	Total			**658.81**			
	BOQ qty			**2282.20**			
	Qty for payment	**Cum**		**529.06**	**156.2**	**82639.17**	
24	**KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			188.41			
	Coffee Board layout			275.44			
	Present Qty			463.85			
	Previous Bill Qty			729.79			
	Total			**1193.64**			
	BOQ qty			**2034.18**			

Contractor

Partner

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AE(WS)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
	Qty for payment	**Cum**		**463.85**	**1856.48**	**861128.25**	
25	**KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			753.63			
	Coffee Board layout			1101.78			
	Present Qty			1855.41			
	Previous Bill Qty			2919.15			
	Total			**4774.56**			
	BOQ qty			**7354.88**			
	Qty for payment	**Sqm**		**1855.41**	**31.16**	**57814.58**	
26	**KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			10403.47			
	Coffee Board layout			6401.77			
	Present Qty			16805.24			
	Previous Bill Qty			1339.67			
	Total			**18144.91**			
	BOQ qty			**45011.12**			
	Qty for payment	**Sqm**		**16805.24**	**3.34**	**56129.50**	
27	**KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			12676.91			
	Coffee Board layout			9070.78			
	Present Qty			21747.69			
	Previous Bill Qty			6739.94			
	Total			**28487.63**			
	BOQ qty			**59894.00**			
	Qty for payment	**Sqm**		**21747.69**	**13.36**	**290549.14**	

Contractor

Partner

AE(W)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
28	**KSRRB M500-16. Providing and laying dense ... macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			75.42			
	Coffee Board layout			78.36			
	Present Qty			153.78			
	Previous Bill Qty			115.47			
	Total			**269.25**			
	BOQ qty			**375.70**			
	Qty for payment	**Cum**		**153.78**	**7388.09**	**1136140.48**	
29	**KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			448.32			
	Coffee Board layout			300.14			
	Present Qty			748.46			
	Previous Bill Qty			170.46			
	Total			**918.92**			
	BOQ qty			**2094.64**			
	Qty for payment	**Cum**		**748.46**	**8414.28**	**6297752.01**	
32	**Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						

Contractor

Partner

AJIUS CONSULTANTS

AE(Hyd)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
	Hoodi Layout			0.00			
	Coffee Board layout			600.00			
	Present Qty			600.00			
	Previous Bill Qty			0.00			
	Total			**600.00**			
	BOQ qty			**700.00**			
	Qty for payment	**No's**		**600.00**	**348.37**	**209022.00**	
33	**KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			0.00			
	Coffee Board layout			270.20			
	Present Qty			270.20			
	Previous Bill Qty			0.00			
	Total			**270.20**			
	BOQ qty			**110.25**			
	Qty for payment	**Sqm**		**270.20**	**66.79**	**18046.66**	
34	**KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			0.00			
	Coffee Board layout			84.66			
	Present Qty			84.66			
	Previous Bill Qty			0.00			
	Total			**84.66**			
	BOQ qty			**646.50**			
	Qty for payment	**Cum**		**84.66**	**219.26**	**18562.55**	
35	**KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			0.00			
	Coffee Board layout			270.20			

Contractor

AE(W) Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BOQ Item No	Description	Unit		Qty	Rate	Amount	Remarks
	Present Qty			270.20			
	Previous Bill Qty			0.00			
	Total			**270.20**			
	BOQ qty			**2913.15**			
	Qty for payment	**Sqm**		**270.20**	**1015.06**	**274269.21**	
37	**KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work**						
	Hoodi Layout			308.50			
	Coffee Board layout			209.80			
	Present Qty			518.30			
	Previous Bill Qty			176.70			
	Total			**695.00**			
	BOQ qty			**1751.75**			
	Qty for payment	**Sqm**		**518.30**	**569.86**	**295358.44**	
	Add cost of Waste Plastic @ 8% of Bitumen Weight						
	Hoodi Layout			5057.05			
	Coffee Board layout			3385.58			
	Present Qty			8442.63			
	Previous Bill Qty			1922.84			
	Total			**10365.47**			
	BOQ qty			**67314.24**			
	Qty for payment	**Kgs**		**8442.63**	**27.00**	**227951.00**	
	GRAND TOTAL					**10476138.77**	

Contractor

Partner

TEJUS CONSULTANTS

AE(W2)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.